

CLAIMS

What is claimed is:

1. A method of coating a glass substrate, said method comprising:
 - (a) providing a glass substrate; and
 - (b) contacting the glass substrate with a coating composition comprising a water-dispersible epoxy resin which is solid at 20°C, with the proviso that the epoxy resin does not comprise a reaction product of epichlorohydrin and a component selected from the group consisting of bisphenol A and bisphenol F.
2. The method according to claim 1, wherein the coating composition further comprises a water-dilutable epoxy resin hardener in an amount of from 1 to 98% by weight and water in an amount of from 1 to 98% by weight, and wherein the water-dispersible epoxy resin is present in an amount of from 1 to 98% by weight.
3. The method according to claim 1, wherein the glass substrate comprises a glass fiber.
4. A coated glass fiber prepared by the process comprising:
 - (a) providing a glass fiber to be coated;
 - (b) providing a coating composition comprising a water-dispersible epoxy resin which is solid at 20°C, in an amount of from 1 to 98% by weight, with the proviso that the epoxy resin does not comprise a reaction product of epichlorohydrin and a component selected from the group consisting of bisphenol A and bisphenol F; a water-dilutable epoxy resin hardener in an amount of from 1 to 98% by weight; and water in an amount of from 1 to 98% by weight; and
 - (c) contacting at least a portion of the glass fiber with the coating composition.

5. A method of reinforcing synthetic fiber, said method comprising:
- (a) providing a synthetic fiber;
 - (b) providing a coated glass fiber according to claim 4; and
 - (c) combining the synthetic fiber and the coated glass fiber.
6. A composite material comprising a coated glass fiber according to claim 4 and one or more other materials or fillers.